

APPENDIX B: COST ANALYSIS

OPERATIONS (Additional Annual Cost over Current Programs)

Topic	Alternative A (no action)	Alternative B	Alternative C	Alternative D (Preferred Alternative)	Alternative E
Registration and Permits (including but not limited to private and commercial airplane landings, hiking, backpacking, camping, boating, climbing, snowmobile use)		\$50,000	\$50,000	\$50,000	\$50,000
Expand Backcountry Quota System		\$20,000	\$20,000	\$20,000	\$20,000
Research and Monitoring					
• Expand Research Program					\$100,000
• Carrying Capacity Studies for Mountaineering Study Areas		\$60,000	\$70,000	\$60,000	\$80,000
• Carrying Capacity Studies for Airplane Landings				\$15,000	\$15,000
• Monitoring (LTEM, sound monitoring, overflights)		\$120,000	\$120,000	\$120,000	\$120,000
Plow Park Road Past Headquarters				\$65,000	\$75,000
Non-motorized Winter Activities					
• Designate and Brush Ski Trails			\$10,000	\$10,000	\$10,000
• Groom Ski Trails					\$5,000
• Staff Public Lands Information Center			\$50,000	\$50,000	\$50,000
Aircraft					
(1) Participate in Working Group to Mitigate Noise Impacts from Aircraft		\$10,000	\$10,000	\$10,000	\$10,000
(2) Air Traffic Management in Ruth Amphitheater					\$15,000
Climbing and Mountaineering					
• Trash and Waste Management on Mount McKinley		\$40,000	\$40,000	\$40,000	\$40,000
• Managing Additional Climbers on Mount McKinley					\$120,000
Snowmobile Use					
• Designate Corridors and Mark Routes			\$10,000	\$20,000	\$30,000
• Groom Trails					\$5,000*
• Enforcement			\$70,000	\$80,000	\$100,000

<ul style="list-style-type: none"> Work on Trails Plan and Parking Areas (in addition to Rivers and Trails Conservation Assistance Program Funding) 			\$20,000	\$20,000	\$20,000
Land Exchange		\$25,000	\$25,000	\$25,000	\$25,000
TOTAL		\$325,000	\$495,000	\$585,000	\$880,000

*This figure is based on the following assumptions:

- 17.8 miles would be groomed between Feb. 1 and April 15.
- Each trail would be groomed once per week or when conditions allow.
- Operations would be based out of headquarters; costs allow for transport time.
- Assumes snow and weather conditions allow trail-groomer to finish each trail in a 10-hour day; does not include possible overtime costs.

CONSTRUCTION (Including Equipment and Materials)

Topic	Alter- native A (no-action)	Alternative B	Alternative C	Alternative D (Preferred Alternative)	Alternative E
Monitoring Equipment		\$80,000	\$80,000	\$80,000	\$80,000
Equipment Purchase for Plowing Park Road				\$300,000	\$500,000
Construct Facilities to Support Winter Use					
<ul style="list-style-type: none"> Public Lands Information Center (3,000 sq. ft.) 			\$800,000	\$800,000	\$800,000
<ul style="list-style-type: none"> Facilities between Headquarters and Savage Campground 			\$75,000	\$285,000	\$390,000
<ul style="list-style-type: none"> Construct Public Use Cabins 					\$150,000
Facilities to Support Climbing Activities					\$10,000
Facilities to Support Air Traffic Management in Ruth Amphitheater					\$5,000
Campsite Construction					\$300,000
Trail Construction					
<ul style="list-style-type: none"> Hiking Trails* 				\$300,000	\$600,000
<ul style="list-style-type: none"> Extend Multi-use Trail: Mile 7 to Savage Campground 					\$100,000
Snowmobile Trails					
<ul style="list-style-type: none"> Materials to Mark Trails 			\$2,000	\$5,000	\$10,000
<ul style="list-style-type: none"> Equipment to Groom Trails 					\$20,000
TOTAL		\$80,000	\$957,000	\$1,770,000	\$2,965,000

*Costs for trails in addition to those proposed in 1997 *South Side Denali Development Concept Plan*.